

## JDBC PROJECT OUTPUT TEST

In order to gain access to the database the user was prompt for the name of the database, the database user name and the database password

Once program recognizes such inputs, the user gains access to the database and the following menu will be displayed

```
Connecting to database...
```

```
Select an option from the following:
```

1. List all writing groups
2. List all publishers
3. List all books
4. List all data for a writing group
5. List all data for a publisher
6. List all data for a book
7. Insert a new book
8. Replace an existing publisher with a new one
9. Remove a book
10. Quit

## FIRST TEST

The user will type 1 and it will get a list of all the writing groups on the writingGroup table created in our database. As observed, such action will display the columns of our writingGroup table and its content

Select an option from the following:

1. List all writing groups
2. List all publishers
3. List all books
4. List all data for a writing group
5. List all data for a publisher
6. List all data for a book
7. Insert a new book
8. Replace an existing publisher with a new one
9. Remove a book
10. Quit

1

GROUP NAME	HEAD WRITER	YEAR FORMED	SUBJECT
Diamante	Ying Hung	2007	Fiction
Ressanance	Raul Jimenez	1994	Realism
The Sharp Eagle	Matthew Queen	2002	Science
Second Mission	Ali Mohammed	2001	Classic
Ovy On The Drum	Juan Luis	1993	Non-Fiction
Gaby Music	John Legend	2010	Neoliberal
Pacifica	John Heskins	1992	Corporate
Vainace	Jesse Noon	2012	Culture
Sky Rompiendo	Jose Cardena	2007	Comedy
Big Ligas	Kevin Ortega	2013	Nature
Tini	Hein Lee	2018	Action
Oasis	Benito Mendez	2015	Sarcasm
Mission	Enrique Sais	2034	Fashion

Then the menu will be displayed again. Now, let's say the user types a letter, in this case a 'n' as an input. It will ask the user to enter a number. However, in case that the user enters a number that is not on the list, the program will tell the user to enter a valid number.

```
Select an option from the following:
```

1. List all writing groups
2. List all publishers
3. List all books
4. List all data for a writing group
5. List all data for a publisher
6. List all data for a book
7. Insert a new book
8. Replace an existing publisher with a new one
9. Remove a book
10. Quit

```
n
```

```
Please enter a number
```

```
Select an option from the following:
```

1. List all writing groups
2. List all publishers
3. List all books
4. List all data for a writing group
5. List all data for a publisher
6. List all data for a book
7. Insert a new book
8. Replace an existing publisher with a new one
9. Remove a book
10. Quit

## SECOND TEST

During the second test, the user will type 2 as an input in order to request the ‘List all Publisher’ action.

As observed, such action will display the publisher table from our database. All the columns and attributes of our table will be displayed accordingly. The publisher name, the publisher address, the publisher phone number and the publisher email.

1. List all writing groups
2. List all publishers
3. List all books
4. List all data for a writing group
5. List all data for a publisher
6. List all data for a book
7. Insert a new book
8. Replace an existing publisher with a new one
9. Remove a book
10. Quit

2

PUBLISHER NAME	PUBLISHER ADDRESS	PUBLISHER PHONE	PUBLISHER EMAIL
Penguin Random House	1745 Broadway, New York, US	(800)-733-3000	consumerservices@penguinrandomhouse.com
Hachette Live	1290 Avenue Of The Americas, New York, US	(212)-364-1200	enquiries@hachette.co.uk
HarperCollins	195 Broadway New York City, New York, US	(800)-242-7737	harpercollins.en.cs@digitalriver.com
Macmillan Publishers	120 Broadway, New York, US	(888)-330-8477	customerservice@mps virginia.com
Simon & Schuster	1230 6th Ave, New York	(800)-223-2336	jane.doe@simonandschuster.com
McGraw-Hill Education	820 Broadway, Santa Monica, CA	(800)-338-3987	pbq_ecommerce_custserv@mheducation.com
Houghton Mifflin Harcourt	11276 5th St #100, Rancho Cucamonga, CA	(909)-912-3000	electronic_publishing@hmhpub.com
Pearson Education	2701 Ocean Park Blvd # 220, Santa Monica, CA	(310)-581-2300	scott.overland@pearson.com
One Republic	2012 Halladay, Santa Ana, CA	(562)354-4632	molinaFausto@oneRepublic.com
Maluma	8342 Washington Boulevard, Long Beach, CA	(434)232-4563	maluma@corporateInc.rd
El Vallenato	9043 Eastern Avenue, SouthGate, CA	(734)-572-9242	vallenator@colombia.org
Cosplat	2323 Russellville, AK	(452)435-5787	cosgruen@barbones.inc
Beast Mode	732 West Hill, San Antonio, TX	(434)333-3333	beastCorp@corporation.gr

## THIRD TEST

Once again, the menu will appear and the user will type 3 to ‘List all books’. Such action will display the content from our book table. As observed, it displays the Group Name, Book Title, Publisher Name, the Year and the Pages.

Select an option from the following:

1. List all writing groups
2. List all publishers
3. List all books
4. List all data for a writing group
5. List all data for a publisher
6. List all data for a book
7. Insert a new book
8. Replace an existing publisher with a new one
9. Remove a book
10. Quit

3

GROUP NAME	BOOK TITLE	PUBLISHER NAME	YEAR	PAGES
Diamante	Educated	Penguin Random House	2018	352
Tini	La Gozadera	Penguin Random House	2003	8882
Oasis	Miami Vibes	Penguin Random House	2001	773
Mission	Puerto Rico	Penguin Random House	1998	4532
Ovy On The Drum	Liar	Penguin Random House	2015	323
Ressanance	Look At Me	Penguin Random House	2003	433
Diamante	Next to Last Stand: A Longmire Mystery	Penguin Random House	2020	512
Diamante	Everything I Never Told You	Penguin Random House	2014	298
Ressanance	Make It Scream, Make It Burn	Hachette Live	2020	272
Ovy On The Drum	God	Hachette Live	2019	3232
The Sharp Eagle	Relation	Hachette Live	2014	212
Gaby Music	Ema Wrote	Hachette Live	2001	542
Second Mission	Yes	Hachette Live	2003	121
Ressanance	Queen All the Songs	Hachette Live	197	456
The Sharp Eagle	The Rosewood Chronicles #3: The Lost Princess	HarperCollins	2007	232
Diamante	The School for Good and Evil #5: A Crystal of Time	HarperCollins	2002	765
Ressanance	Torpedo Juice	HarperCollins	1995	124
Oasis	The Seven Days of Peter Crumb	HarperCollins	2007	459
Vainace	Soundless Love	HarperCollins	2014	233
The Sharp Eagle	Salvage	HarperCollins	2005	222
Pacifica	Kiss	HarperCollins	2002	888
Vainace	Thunder	HarperCollins	2004	432
Biq Liqas	Clapping	HarperCollins	1567	762

Java DB Database Process X		CECS_323_Java_Project (run-single) X			
Second Mission	Never Give Up	HarperCollins	1887	234	
Pacifica	Best Friends	Macmillan Publishers	2019	2156	
Second Mission	Humans	Macmillan Publishers	2010	448	
Mission	American Originality	Macmillan Publishers	2018	2028	
Ovy On The Drum	A Republic Under Assault	Simon & Schuster	2017	3433	
The Sharp Eagle	I Am Believer	Simon & Schuster	1991	332	
Vainace	Sleeping At Last	Simon & Schuster	1882	454	
Oasis	Dancing In The Dark	Simon & Schuster	1443	992	
Tini	SuperMan	Simon & Schuster	2004	883	
Sky Rompiendo	Want To Give You	Simon & Schuster	2004	884	
Gaby Music	Reading Success Level B, Additional Blackline Masters	McGraw-Hill Education	2008	723	
Pacifica	The Power of Logic	McGraw-Hill Education	2001	232	
Gaby Music	Carpentry & Building Construction	McGraw-Hill Education	2003	564	
Gaby Music	Glencoe Algebra 1	McGraw-Hill Education	2010	323	
Ressanance	Logitica: Learn Logic and Math Together	McGraw-Hill Education	2012	7267	
Pacifica	Avancemos Teacher Edition	Houghton Mifflin Harcourt	2018	868	
Diamante	Rigby Sails Early Leveled Reader Fox On the Wall	Houghton Mifflin Harcourt	1997	9143	
Pacifica	Field Guide to Bird Sounds of Western North America	Houghton Mifflin Harcourt	2015	564	
Vainace	Nursing : A Concept-Based Approach to Learning	Pearson Education	2002	3245	
The Sharp Eagle	Big Little Lies	Pearson Education	2001	323	
Big Ligas	Next Trip	One Republic	2014	433	
Pacifica	Del 1 al 10	One Republic	1992	453	
Sky Rompiendo	Real Hasta La Muerte	One Republic	2001	656	
Big Ligas	Graduated Too High	One Republic	1993	783	
Oasis	Street	One Republic	2009	333	
Oasis	Golden State	Maluma	1943	123	
Big Ligas	Spread The News	Maluma	2000	999	
Pacifica	Very High Boulevard	Maluma	2012	123	
Mission	Big Dreams	Maluma	1666	203	
The Sharp Eagle	Succeed At Last	Maluma	2003	1020	
Tini	Keep On Trying	Maluma	1992	322	
Ovy On The Drum	King of Hill	Maluma	1774	233	
Ovy On The Drum	I Will Make It	El Vallenato	1992	543	
Mission	San Pancho	El Vallenato	2014	223	
Oasis	Holding On	El Vallenato	1594	993	
Big Ligas	Take Me Back To SF	El Vallenato	2006	453	
Pacifica	Battle Ground	El Vallenato	1444	234	
Mission	Screaming Around	Cosplat	1993	932	

Pacifica	Una Vida Para Recordar	Cosplat	2003	544
Tini	Estilo Italiano	Cosplat	2006	884
Oasis	Yellow Submarine	Cosplat	2001	994
Big Ligas	Sail To The Sun	Cosplat	1993	883
Pacifica	We All Live	Beast Mode	2000	332
Big Ligas	Catastrophe	Beast Mode	2011	583
Tini	Build Me Up	Beast Mode	1992	432
Mission	Break The Chains	Beast Mode	1991	573
Oasis	I Was Born For This	Beast Mode	1997	883

## FOURTH TEST

In our fourth test, the user types 4, which will 'List all data for a writing group.' However, such action requires the user to enter a Writing Group as observed in the picture. In this scenario, the user typed 'Ovy On The Drum', the writing group information is displayed .. the Group Name, Head Writer, the Year Formed, and the Subject.

Also the books and the publisher information associated with such book is displayed  
As observed, the book information such as the name, pages and year was listed as well as the publisher name, publisher address, publisher phone and publisher email.

```
9. Remove a book
10. Quit

4

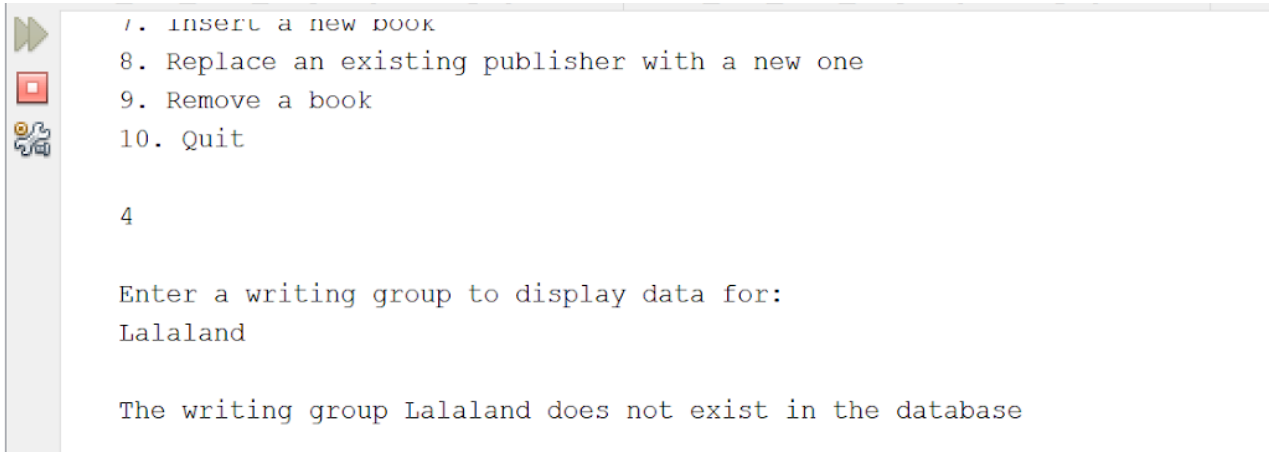
Enter a writing group to display data for:
Ovy On The Drum

GROUP NAME      HEAD WRITER      YEAR FORMED      SUBJECT
Ovy On The Drum  Juan Luis        1993             Non-Fiction

These are the books (and publisher associated with each book) written by the writing group Ovy On The Drum

BOOK            PAGES  YEAR  PUBLISHER      PUBLISHER ADDRESS      PUBLISHER PHONE  PUBLISHER EMAIL
A Republic Under Assault  3433   2017   Simon & Schuster  1230 6th Ave, New York  (800)-223-2336   jane.doe@simonandschuster.com
God                3232   2019   Hachette Live    1290 Avenue Of The Americas, New York, US  (212)-364-1200   enquiries@hachette.co.uk
I Will Make It      543    1992   El Vallenato     9043 Eastern Avenue, SouthGate, CA         (734)-572-9242   vallenator@colombia.org
King of Hill        233    1774   Maluma           8342 Washington Boulevard, Long Beach, CA  (434)232-4563   maluma@corporateInc.rd
Liar               323    2015   Penguin Random House 1745 Broadway, New York, US  (800)-733-3000   consumerservices@penguinrandomhouse.com
```

Now let's say the user wants to enter a writing group that does not exist in the database. As observed below in the picture, the user will a message that such writing group does not exist in the database



```
7. insert a new book
8. Replace an existing publisher with a new one
9. Remove a book
10. Quit

4

Enter a writing group to display data for:
Lalaland

The writing group Lalaland does not exist in the database
```



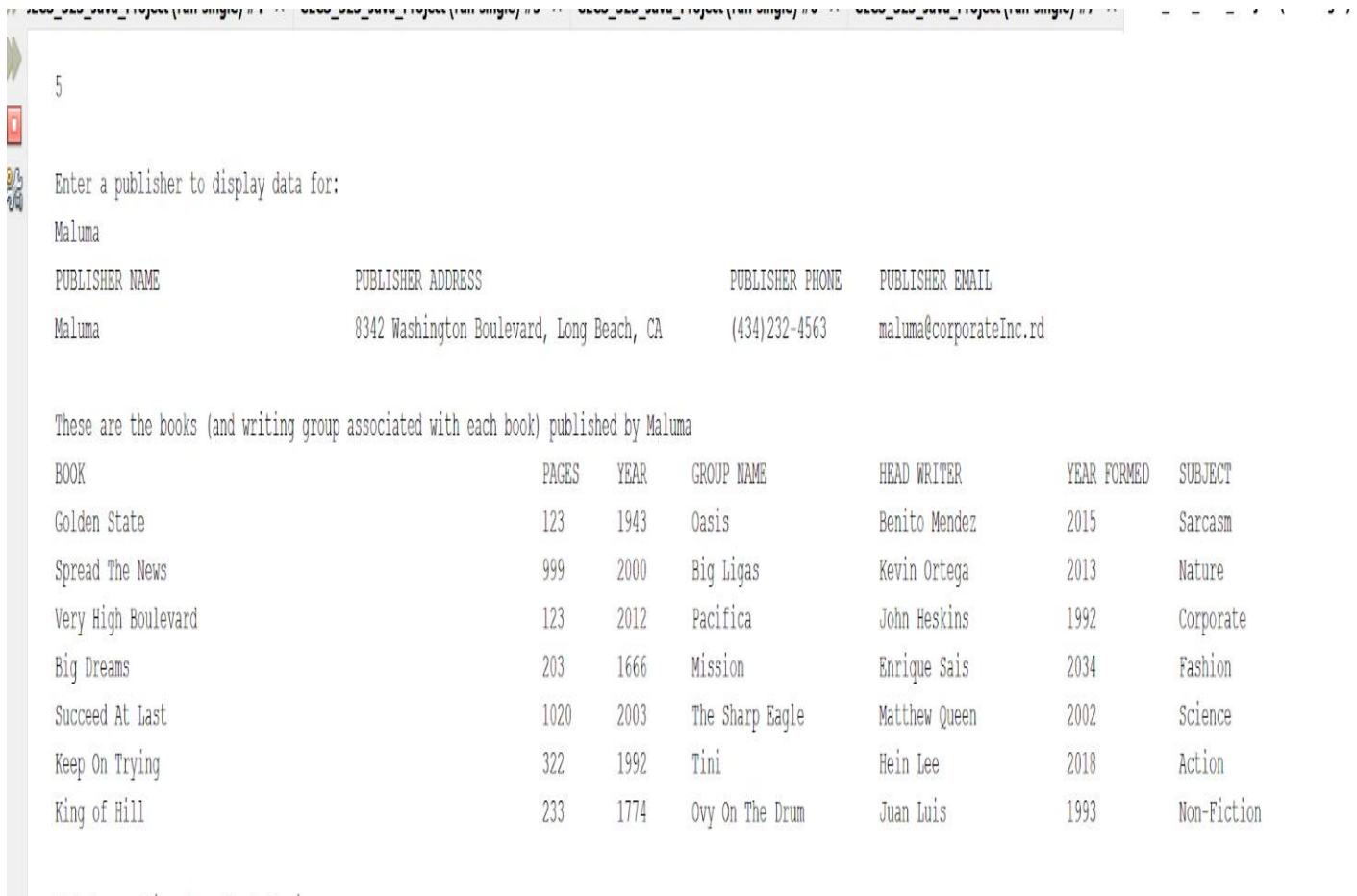
## FIFTH TEST

Now the user will type 5 to 'List all data for a publisher.' As observed in the picture below, the user will be required to type the publisher that he/she wants the data from. In this scenario, the user typed 'Maluma.' Below, we can observe that the information for such a publisher was displayed..

The publisher name, the publisher address, the publisher phone, and the publisher email.

Then the books and writing group associated with each book is displayed..

The book name, pages, year, group name, the head writer name, the year formed, and the subject.



```
5
Enter a publisher to display data for:
Maluma
PUBLISHER NAME      PUBLISHER ADDRESS      PUBLISHER PHONE      PUBLISHER EMAIL
Maluma              8342 Washington Boulevard, Long Beach, CA      (434)232-4563      maluma@corporateInc.rd

These are the books (and writing group associated with each book) published by Maluma
BOOK      PAGES      YEAR      GROUP NAME      HEAD WRITER      YEAR FORMED      SUBJECT
Golden State      123      1943      Oasis      Benito Mendez      2015      Sarcasm
Spread The News      999      2000      Big Ligas      Kevin Ortega      2013      Nature
Very High Boulevard      123      2012      Pacifica      John Heskins      1992      Corporate
Big Dreams      203      1666      Mission      Enrique Sais      2034      Fashion
Succeed At Last      1020      2003      The Sharp Eagle      Matthew Queen      2002      Science
Keep On Trying      322      1992      Tini      Hein Lee      2018      Action
King of Hill      233      1774      Ovy On The Drum      Juan Luis      1993      Non-Fiction
```

Now let's say that the user enters a publisher that does not exist in the database. As observed in the picture below, the program will tell the user that such a publisher does not exist.

5

Enter a publisher to display data for:  
American Eagle

The publisher American Eagle does not exist in the database

SIXTH TEST

Now the user will type 6 to ‘List all data for a book.’ The user will be prompted to type the title and writing group for the book they want to see. If their input combination does not exist in the database, they are told that the book does not exist.

6

Enter a book to display data for:  
Look At Me

Enter the book's writing group:  
Fake Writing Group

The book Look At Me (by Fake Writing Group) does not exist in the database

Entering a valid combination will display the data for a book (screenshot chopped in half)

6

Enter a book to display data for:  
Look At Me

Enter the book's writing group:  
Ressanance

BOOK	YEAR	PAGES	GROUP NAME	HEAD WRITER	YEAR	SUBJECT	PUBLISHER NAME
Look At Me	2003	433	Ressanance	Raul Jimenez	1994	Realism	Penguin Random House

SEVENTH TEST

The user can type a 7 to insert a new book into the database. They are prompted to type the data for the new book (title, publisher, writing group, publish year, pages) and are notified that the publisher and writing group must already exist in the database. The insert will fail if the publisher or writing group does not exist in the database. The insert will also fail if the year or number of pages entered are not numbers. The user is told why the insert fails.

7

Enter a book to insert:

The best book ever

Enter a publisher already registered in the database:

HarperCollins

Enter a writing group already registered in our database:

Tini

Year Published:

2001

Number Of Pages:

Fifty pages

Insert failed. The amount of pages must be a number

If all the inputs are valid, the insert succeeds, and the user is shown the data that has been inserted

Enter a book to insert:

The best book ever

Enter a publisher already registered in the database:

HarperCollins

Enter a writing group already registered in our database:

Tini

Year Published:

2001

Number Of Pages:

50

The data to be inserted:

BOOK	PUBLISHER	WRITING GROUP	YEAR	PAGES
The best book ever	HarperCollins	Tini	2001	50

Insert successful! The book The best book ever has been inserted into the database

## EIGHTH TEST

The user can type an 8 to replace an existing publisher with a new one. They are prompted to type the data for the new publisher (name, address, phone, email) followed by the name of the old publisher (the publisher that is going to be replaced). If the old publisher they enter does not exist in the database, they are told that the replacement failed.

8

```
Enter the new publisher's name:
NewPublisher
```

```
Enter the new publisher's address:
1234 Main St, GreatCity, CA
```

```
Enter the new publisher's phone:
(123) 456-7890
```

```
Enter the new publisher's email:
newpublisher@newpub.com
```

```
Enter the publisher to be replaced:
FakePublisher
```

```
Replace failed. The publisher to be replaced does not exist in the database
```

Entering a valid, old publisher will replace it with the new one.

8

```
Enter the new publisher's name:
NewPublisher
```

```
Enter the new publisher's address:
1234 Main St, GreatCity, CA
```

```
Enter the new publisher's phone:
(123) 456-7890
```

```
Enter the new publisher's email:
newpublisher@newpub.com
```

```
Enter the publisher to be replaced:
Maluma
```

```
Replace successful!
The old publisher Maluma has been replaced with the new publisher NewPublisher
```

Looking at the list of books now shows us that all the books that were previously published by the old publisher, now show the new publisher.

*Before replacement:*

Street	One Republic
Golden State	Maluma
Spread The News	Maluma
Very High Boulevard	Maluma
Big Dreams	Maluma
Succeed At Last	Maluma
Keep On Trying	Maluma
King of Hill	Maluma
I Will Make It	El Vallenato

*After:*

Street	One Republic
Golden State	NewPublisher
Spread The News	NewPublisher
Very High Boulevard	NewPublisher
Big Dreams	NewPublisher
Succeed At Last	NewPublisher
Keep On Trying	NewPublisher
King of Hill	NewPublisher
I Will Make It	El Vallenato

## NINTH TEST

The user can type a 9 to remove a book from the database. They are prompted to type the book title and name of the writing group of the book they want to remove. If their input combination does not exist in the database, they are told that the removal failed.

9

Enter a book to remove:  
Thunder

Enter the book's writing group:  
FakeWritingGroup

Removal failed. The book Thunder (by FakeWritingGroup) does not exist in the database

Entering a valid combination of book and writing group will successfully remove the book from the database.

9

Enter a book to remove:

Thunder

Enter the book's writing group:

Vainace

Removal successful! The book Thunder (by Vainace) has been removed from the database